

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
 Data File : BF099922.D
 Acq On : 28 Oct 2017 17:31
 Operator : SJ/JU
 Sample : I6077-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 2

Instrument :
 BNA_F
 ClientSampleId :
 FILL-PILE-2-COMP-1

Manual Integrations
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Sohil
 10/30/2017 6:20:27 PM

Quant Time: Oct 30 12:40:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	216635	40.00	ng	0.00
21) Naphthalene-d8	8.07	136	833623	40.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	349858	40.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	502201	40.00	ng	-0.02
75) Chrysene-d12	13.97	240	327038	40.00	ng	-0.02
86) Perylene-d12	15.44	264	392162	40.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	685014	99.29	ng	0.00
7) Phenol-d6	6.43	99	819587	100.19	ng	0.00
23) Nitrobenzene-d5	7.36	82	475480	73.44	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	136206	85.44	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	887120	78.24	ng	-0.01
78) Terphenyl-d14	12.90	244	508643	67.98	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.45	94	22246	2.477	ng	82
31) Naphthalene	8.09	128	191758	9.531	ng	98
37) 2-Methylnaphthalene	8.78	142	60445	4.483	ng	97
49) Dimethylphthalate	9.54	163	125039	9.026	ng	98
51) Acenaphthene	9.86	154	142406	13.167	ng	98
54) Dibenzofuran	10.03	168	159622	10.455	ng	96
57) Fluorene	10.37	166	148830	11.774	ng	100
70) Phenanthrene	11.35	178	1527402	107.785	ng	99
71) Anthracene	11.39	178	309316	21.504	ng	99
72) Carbazole	11.55	167	183368	13.556	ng	98
74) Fluoranthene	12.54	202	1579771	107.272	ng	98
77) Pyrene	12.77	202	1380715	111.045	ng	99
80) Benzo(a)anthracene	13.96	228	597547	57.645	ng	98
82) Chrysene	14.00	228	582264	59.748	ng	98
85) Indeno(1,2,3-cd)pyrene	16.91	276	370775	41.444	ng	97
87) Benzo(b)fluoranthene	15.02	252	818854m	66.135	ng	
88) Benzo(k)fluoranthene	15.04	252	291224m	24.943	ng	
89) Benzo(a)pyrene	15.38	252	533459	47.964	ng	95
90) Dibenzo(a,h)anthracene	16.90	278	73421m	7.429	ng	
91) Benzo(a,h,i)perylene	17.36	276	358775	37.106	ng	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

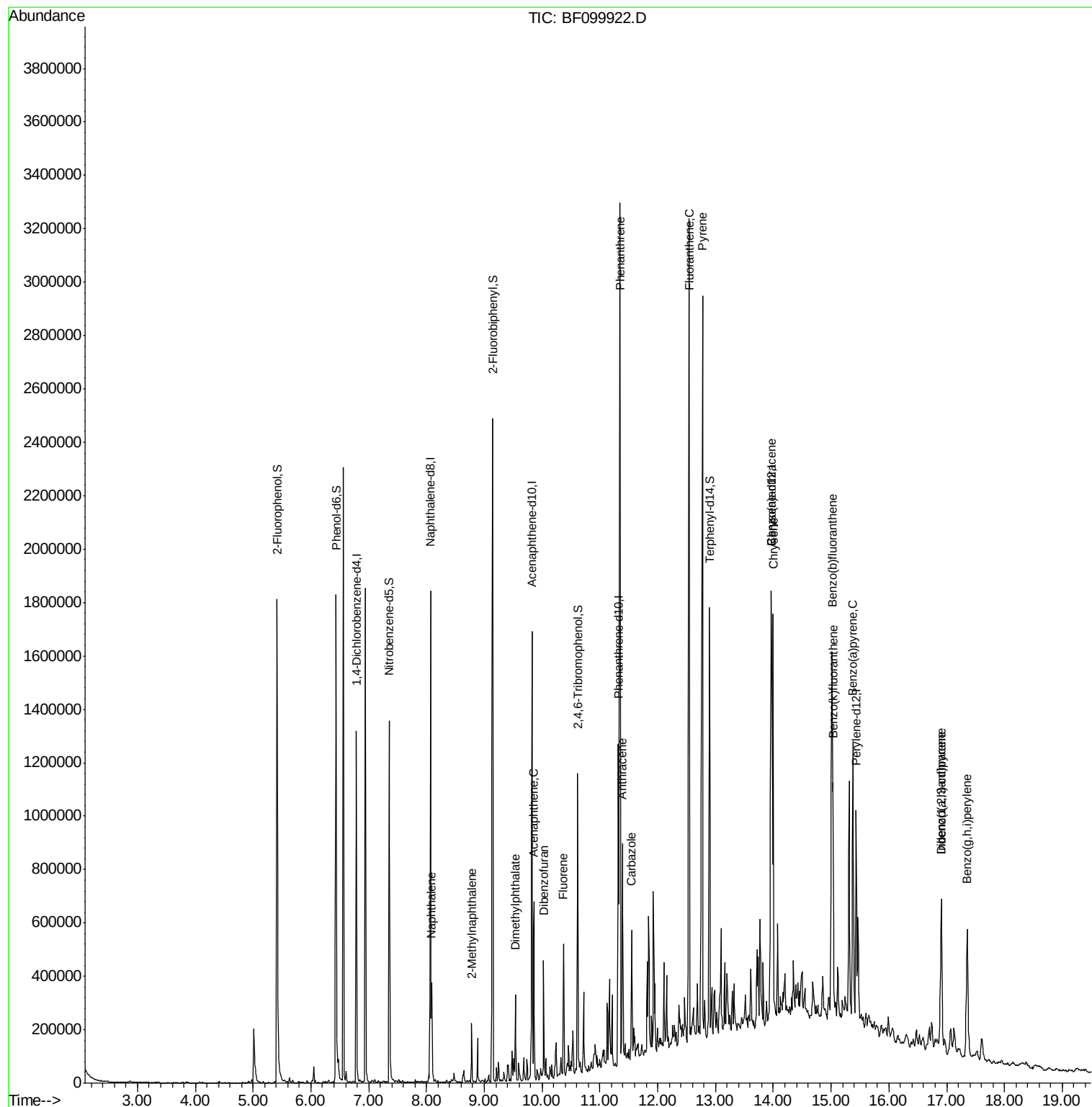
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
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ALS Vial : 14 Sample Multiplier: 2

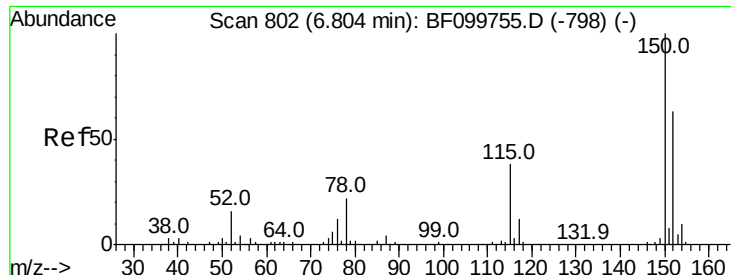
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FILL-PILE-2-COMP-1

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#1

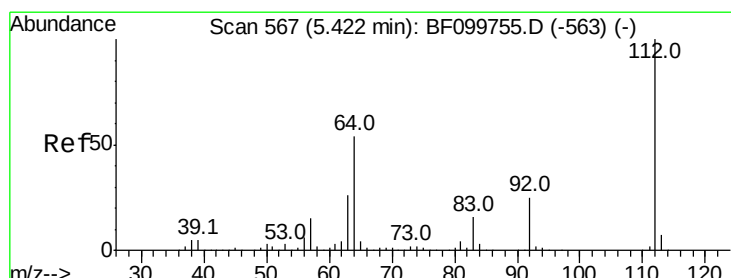
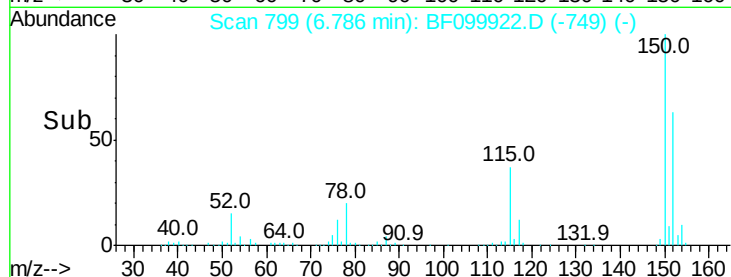
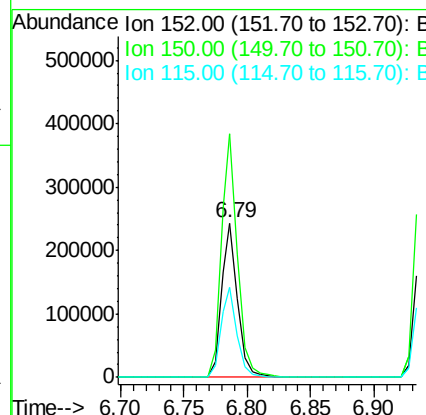
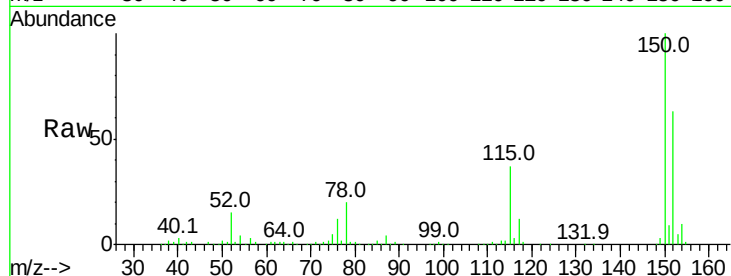
1,4-Dichlorobenzene-d4
Concen: 40.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF099922.D
Acq: 28 Oct 2017 17:31

Instrument :
BNA_F
ClientSampleId :
FILL-PILE-2-COMP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	58.0	50.1	75.1

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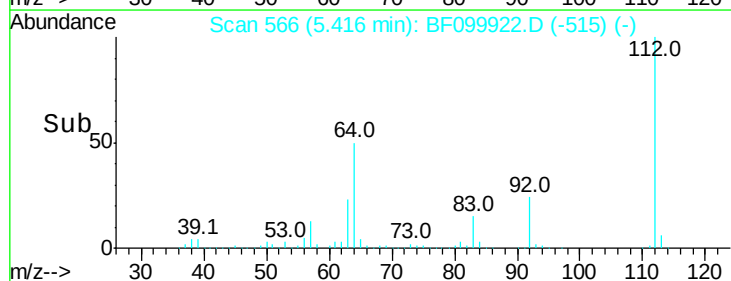
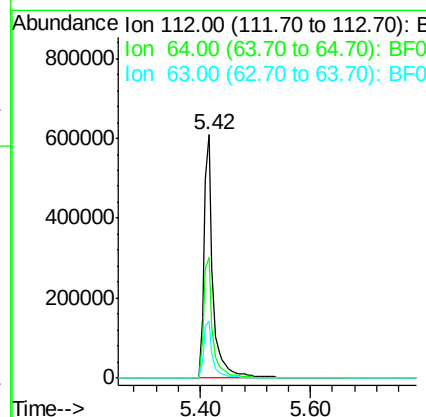
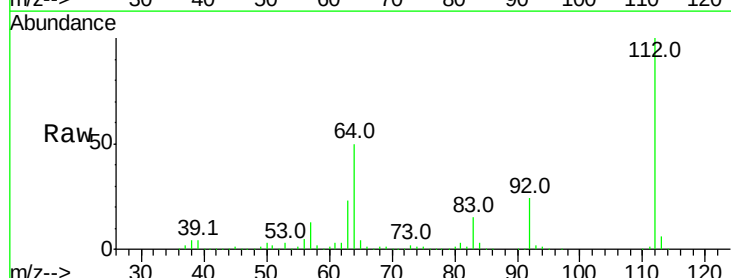
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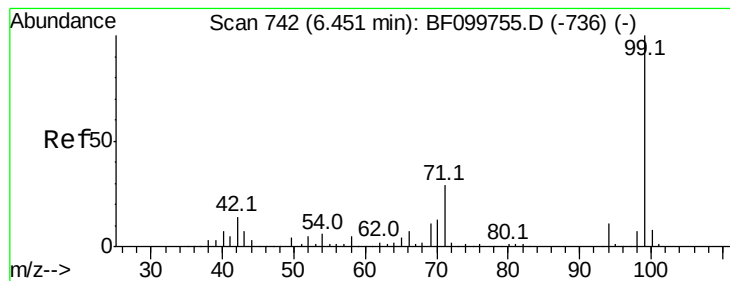


#5

2-Fluorophenol
Concen: 99.287 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF099922.D
Acq: 28 Oct 2017 17:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.6	47.9	71.9
63	23.4	23.7	35.5





#7

Phenol-d6

Concen: 100.185 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099922.D

Acq: 28 Oct 2017 17:31

Instrument :

BNA_F

ClientSampleId :

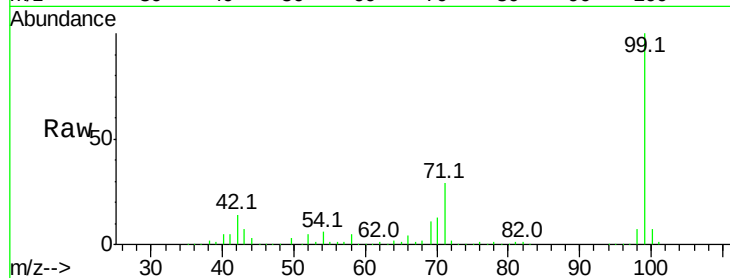
FILL-PILE-2-COMP-1

Tot Ion: 99 Resp: 819587

Ion	Ratio	Lower	Upper
99	100		
42	13.9	14.5	21.7#
71	29.0	25.4	38.0

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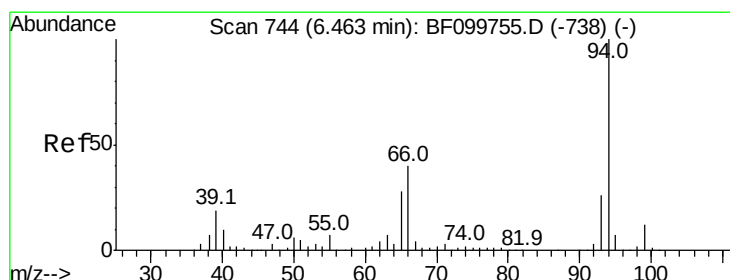
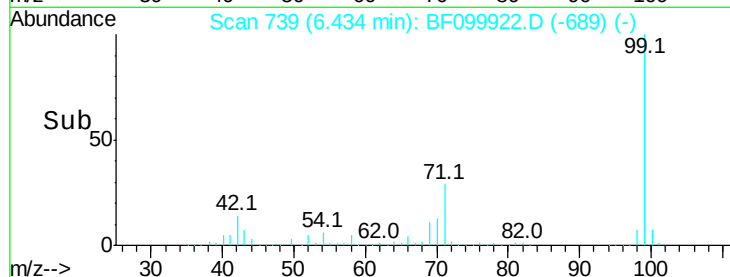
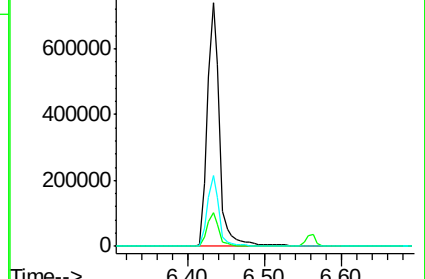
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.477 ng

RT: 6.45 min Scan# 741

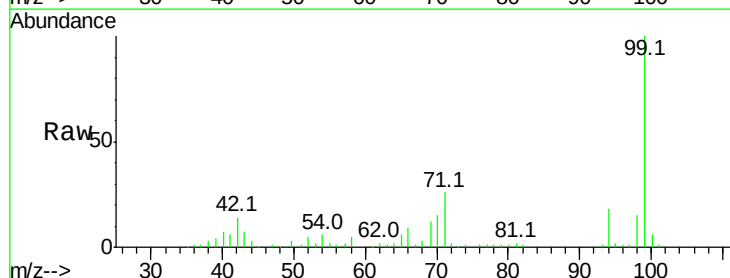
Delta R.T. -0.01 min

Lab File: BF099922.D

Acq: 28 Oct 2017 17:31

Tgt Ion: 94 Resp: 22246

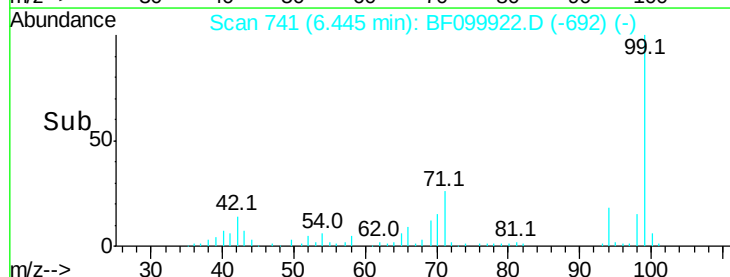
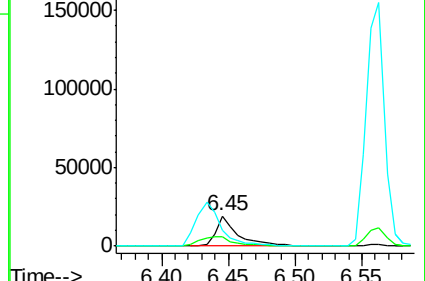
Ion	Ratio	Lower	Upper
94	100		
65	31.8	7.9	47.9
66	51.7	16.2	56.2

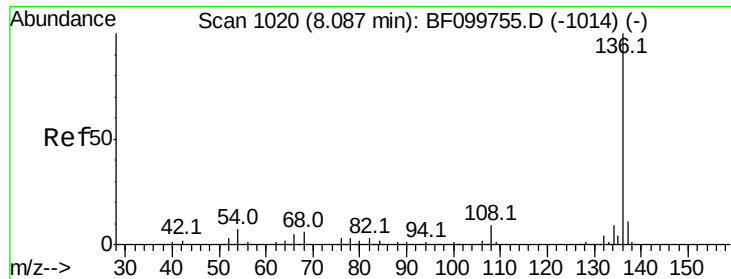


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





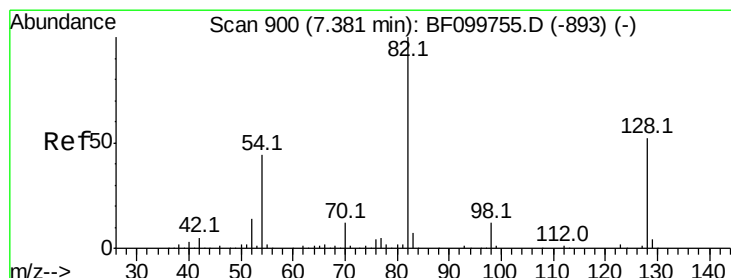
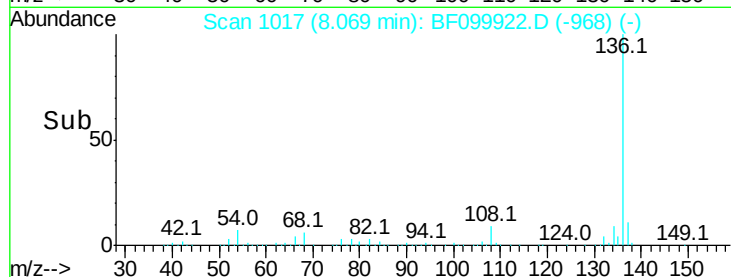
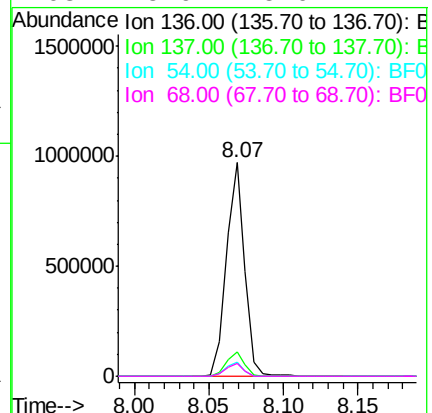
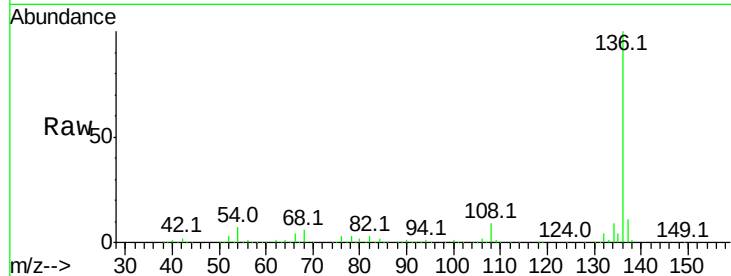
#21
Naphthalene-d8
Concen: 40.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF099922.D
Acq: 28 Oct 2017 17:31

Instrument :
BNA_F
ClientSampleId :
FILL-PILE-2-COMP-1

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.4	8.9	13.3	
54	6.7	6.6	9.8	
68	5.9	5.0	7.4	

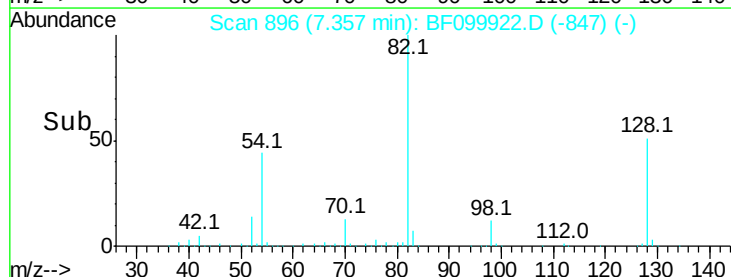
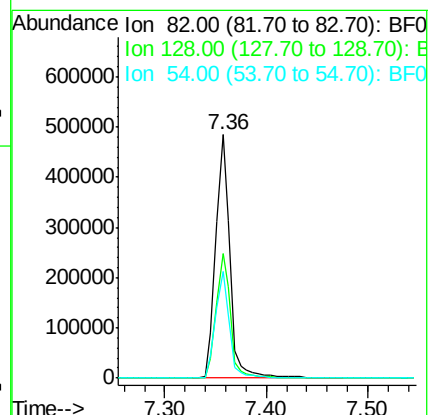
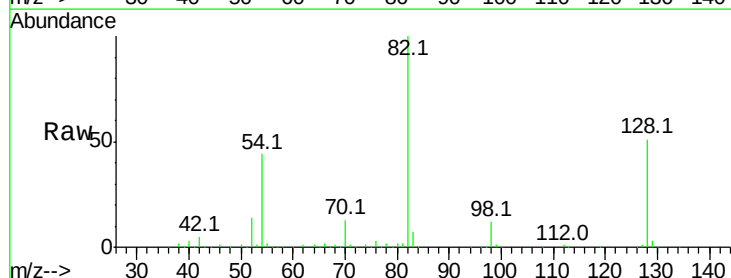
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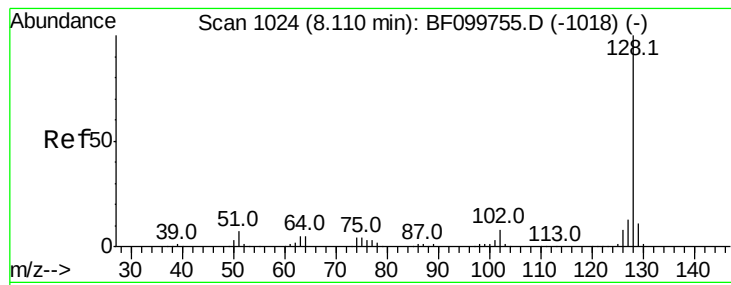
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#23
Nitrobenzene-d5
Concen: 73.442 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF099922.D
Acq: 28 Oct 2017 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	51.1	36.1	54.1	
54	44.0	41.4	62.2	





#31

Naphthalene

Concen: 9.531 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF099922.D

Acq: 28 Oct 2017 17:31

Instrument :

BNA_F

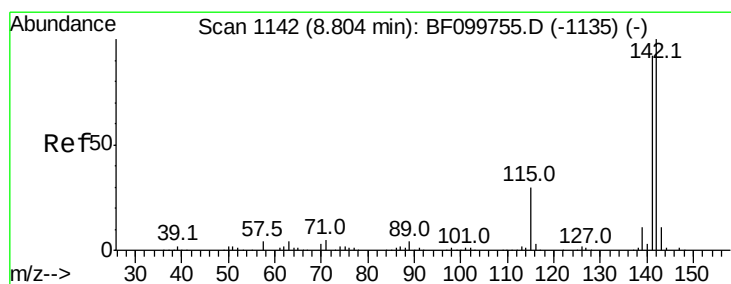
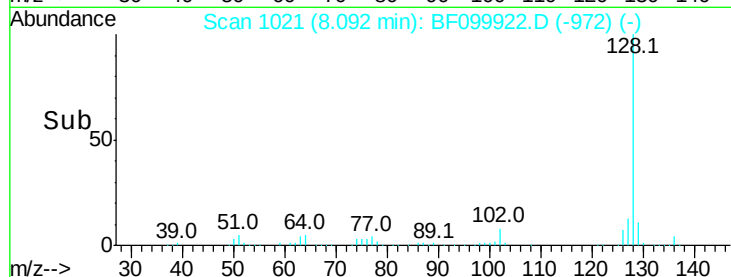
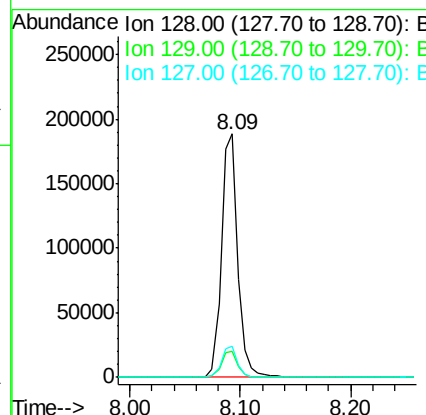
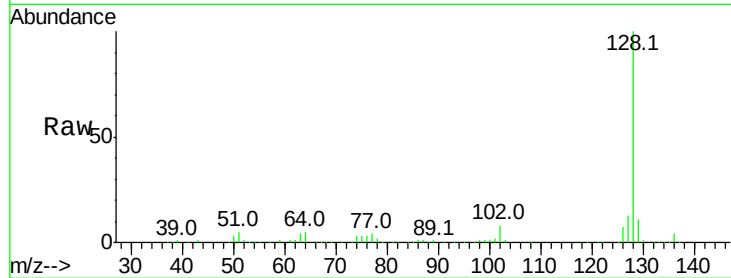
ClientSampleId :

FILL-PILE-2-COMP-1

Tot Ion:	128	Resp:	191758
Ion Ratio	Lower	Upper	
128	100		
129	10.6	8.8	13.2
127	12.7	10.9	16.3

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#37

2-Methylnaphthalene

Concen: 4.483 ng

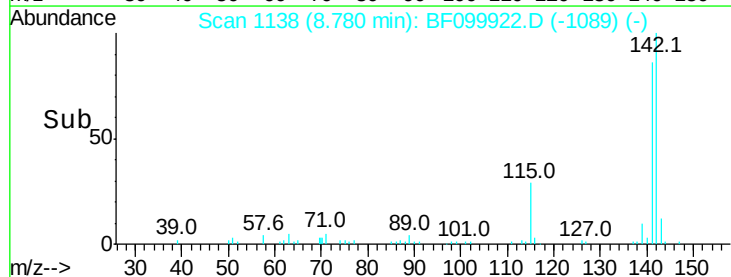
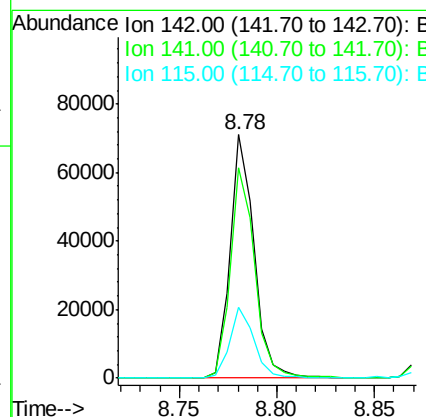
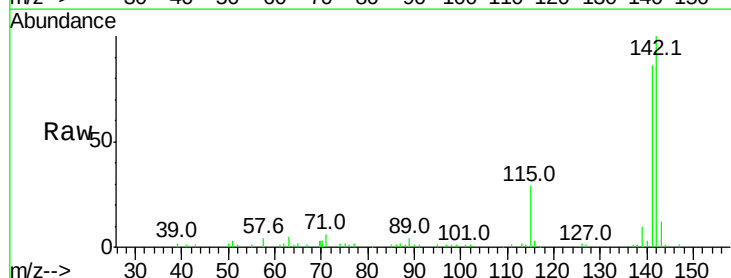
RT: 8.78 min Scan# 1138

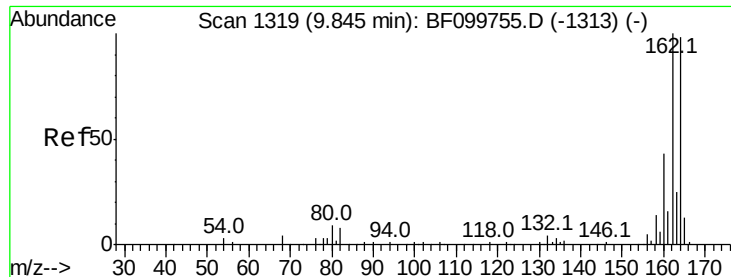
Delta R.T. -0.01 min

Lab File: BF099922.D

Acq: 28 Oct 2017 17:31

Tgt Ion:	142	Resp:	60445
Ion Ratio	Lower	Upper	
142	100		
141	86.5	70.8	106.2
115	28.9	26.1	39.1





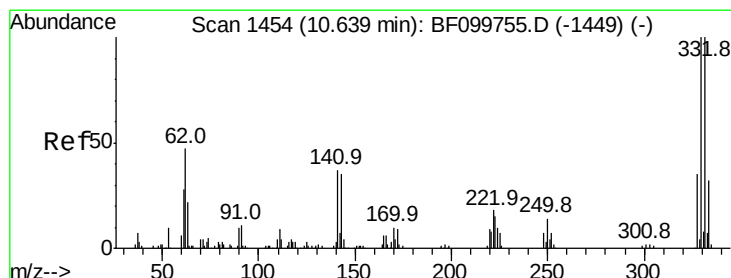
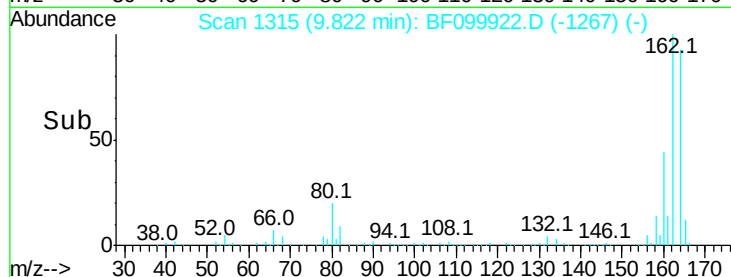
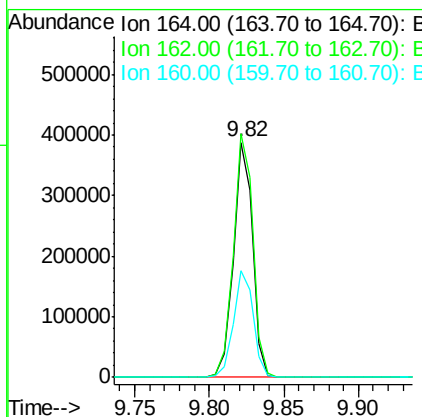
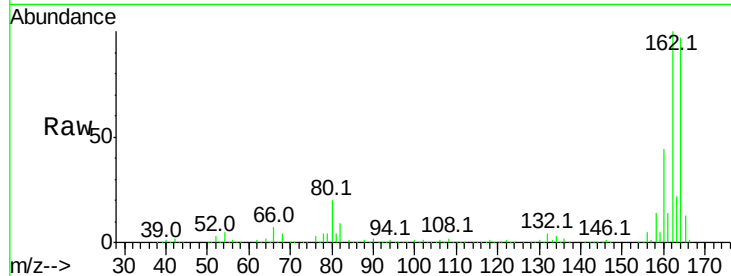
#38
Acenaphthene-d10
Concen: 40.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF099922.D
Acq: 28 Oct 2017 17:31

Instrument :
BNA_F
ClientSampleId :
FILL-PILE-2-COMP-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.6	86.1	129.1
160	45.1	38.3	57.5

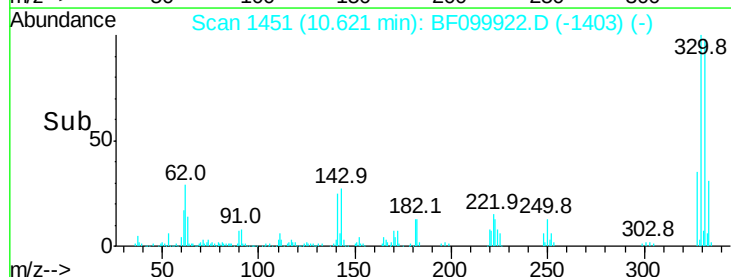
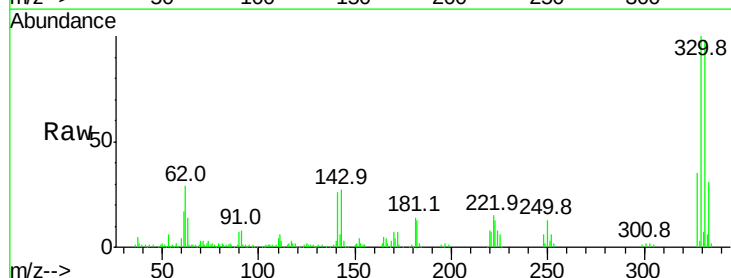
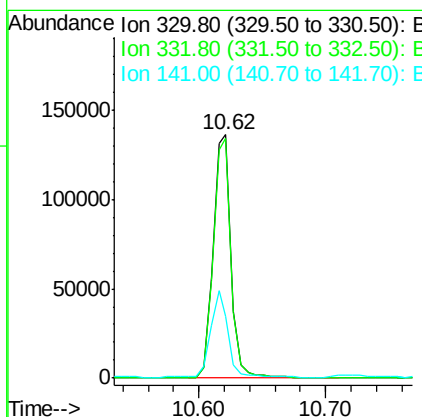
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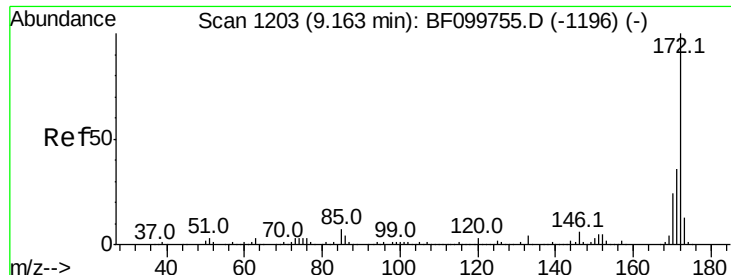
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#41
2,4,6-Tribromophenol
Concen: 85.441 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.02 min
Lab File: BF099922.D
Acq: 28 Oct 2017 17:31

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	34.8	29.9	44.9





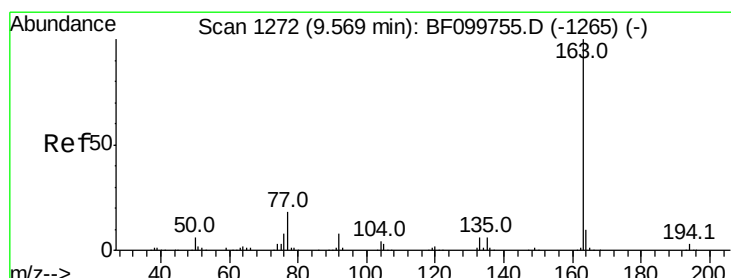
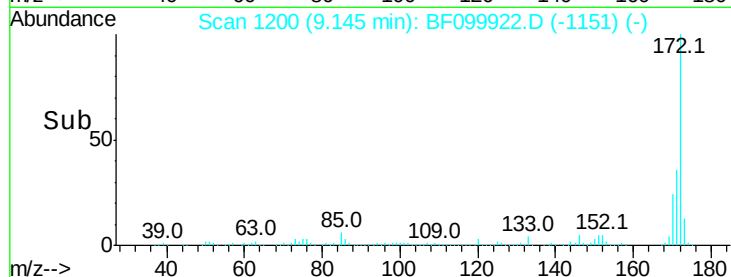
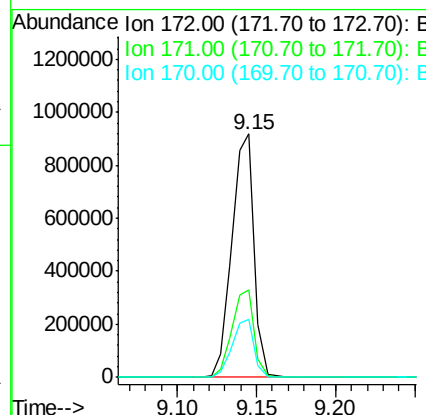
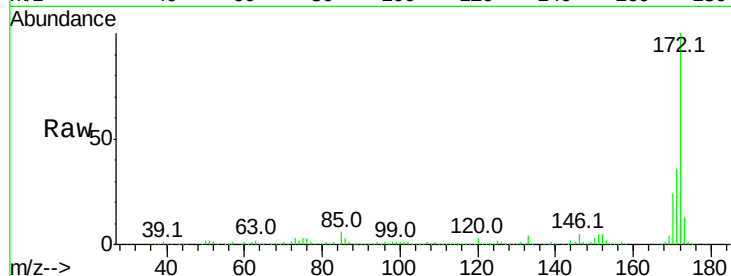
#44
2-Fluorobiphenyl
Concen: 78.242 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF099922.D
Acq: 28 Oct 2017 17:31

Instrument :
BNA_F
ClientSampleId :
FILL-PILE-2-COMP-1

Tot Ion	Ratio	Resp	Lower	Upper
172	100	887120		
171	36.0		29.7	44.5
170	23.7		19.6	29.4

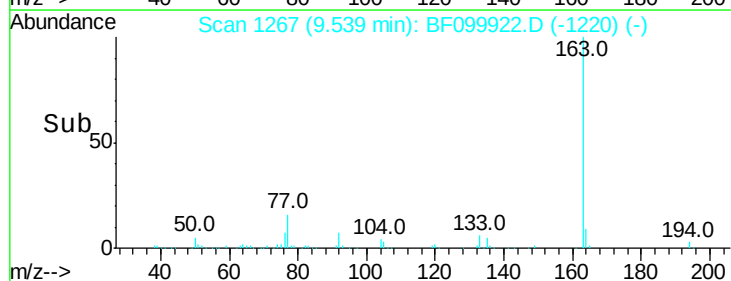
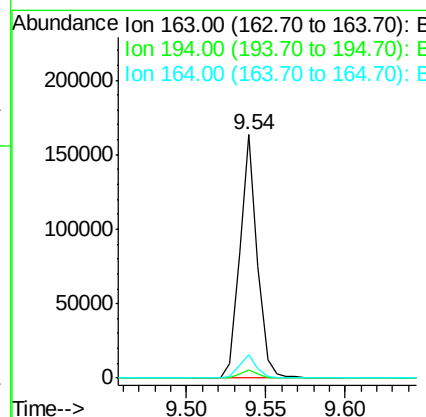
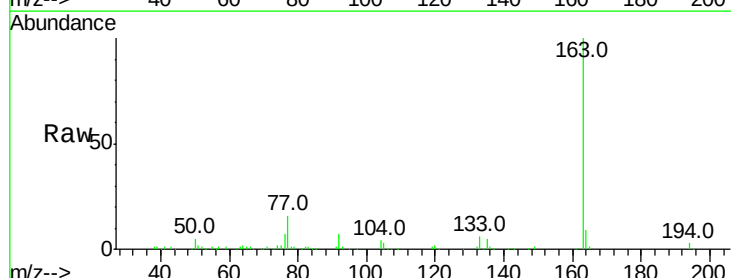
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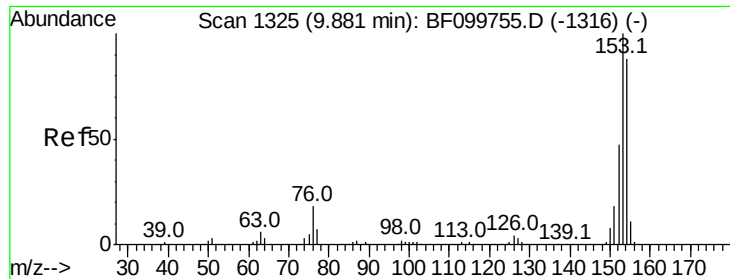
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#49
Dimethylphthalate
Concen: 9.026 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF099922.D
Acq: 28 Oct 2017 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	125039		
194	3.5		2.7	4.1
164	9.4		8.2	12.2





#51

Acenaphthene

Concen: 13.167 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.02 min

Lab File: BF099922.D

Acq: 28 Oct 2017 17:31

Instrument :

BNA_F

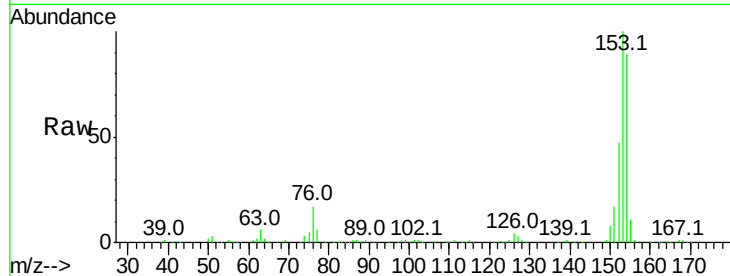
ClientSampleId :

FILL-PILE-2-COMP-1

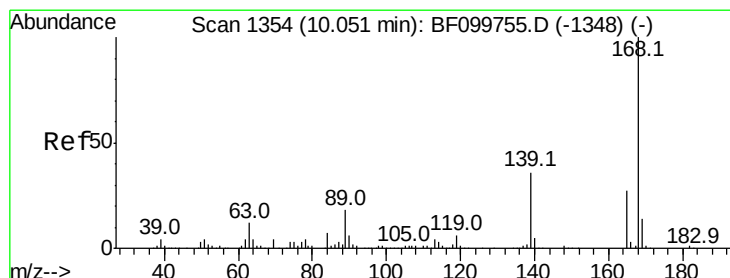
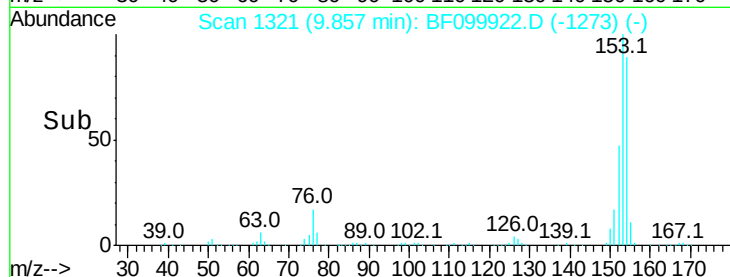
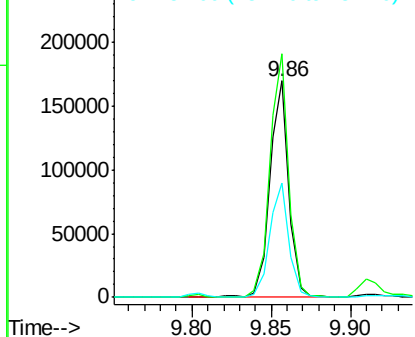
Tot Ion:	154	Resp:	142406
Ion Ratio	Lower	Upper	
154	100		
153	112.6	91.2	136.8
152	52.9	43.8	65.8

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 10.455 ng

RT: 10.03 min Scan# 1350

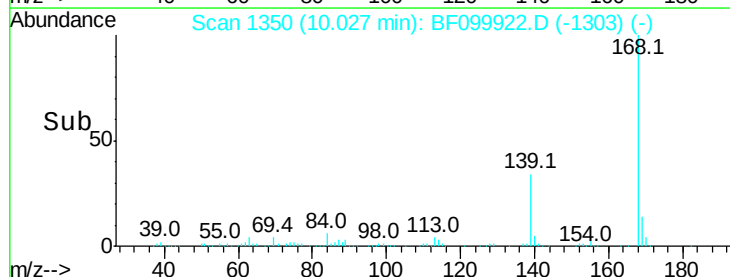
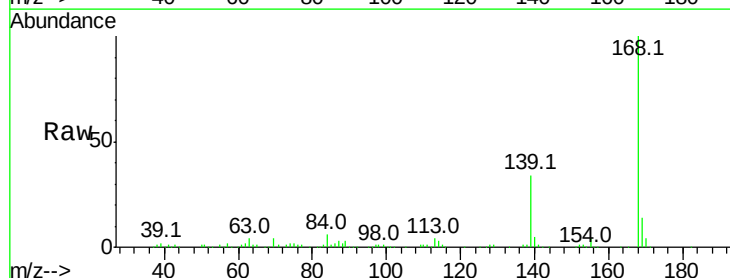
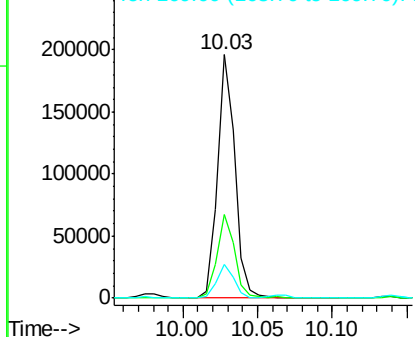
Delta R.T. -0.02 min

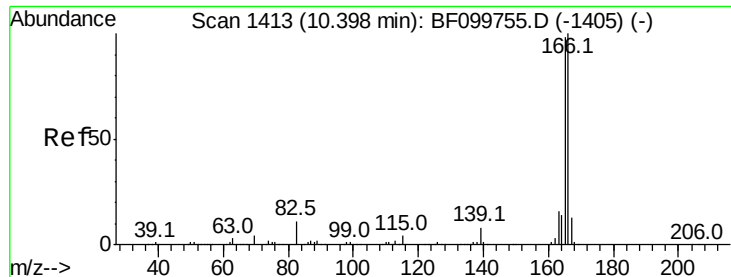
Lab File: BF099922.D

Acq: 28 Oct 2017 17:31

Tgt Ion:	168	Resp:	159622
Ion Ratio	Lower	Upper	
168	100		
139	34.3	30.1	45.1
169	13.8	10.9	16.3

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





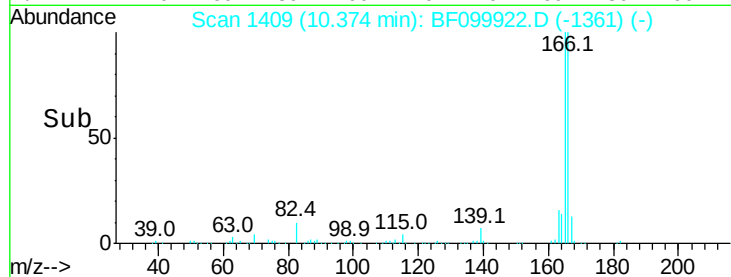
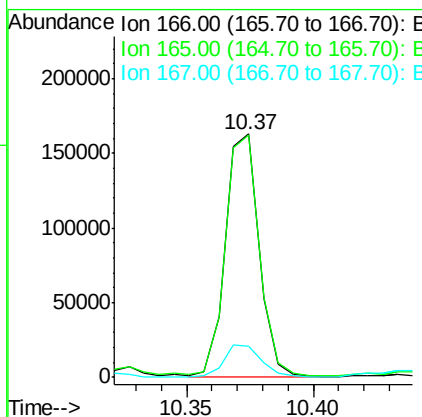
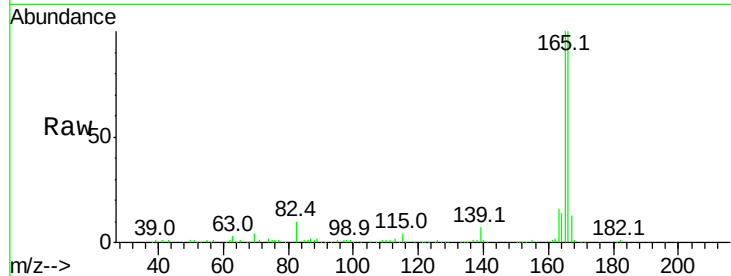
#57
Fluorene
Concen: 11.774 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.02 min
Lab File: BF099922.D
Acq: 28 Oct 2017 17:31

Instrument :
BNA_F
ClientSampleId :
FILL-PILE-2-COMP-1

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.6	79.8	119.8	
167	13.0	10.6	16.0	

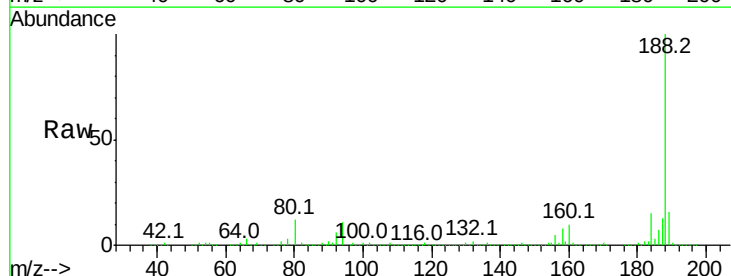
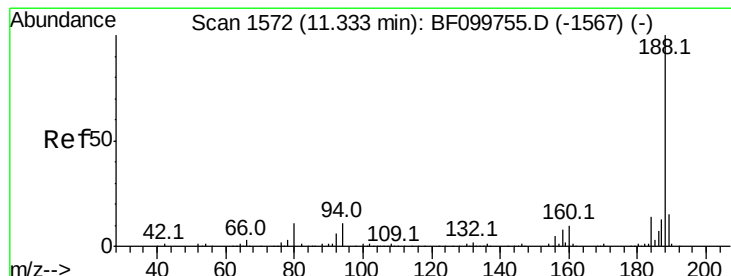
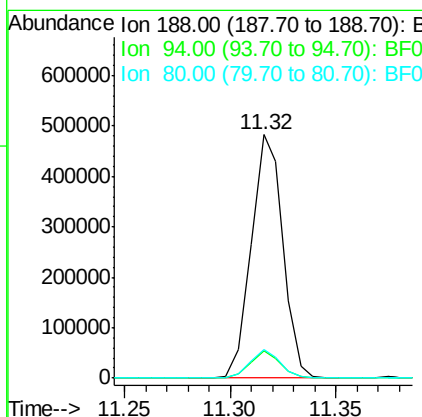
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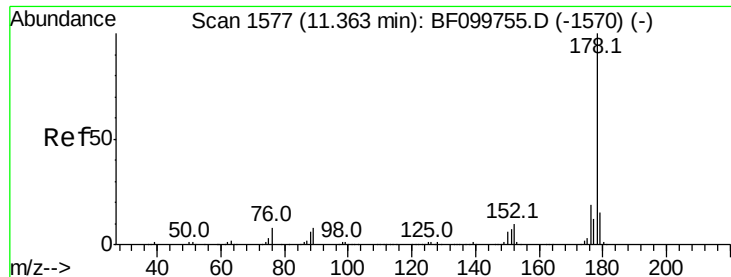
Sohil
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#63
Phenanthrene-d10
Concen: 40.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BF099922.D
Acq: 28 Oct 2017 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.1	8.5	12.7	
80	11.7	9.2	13.8	





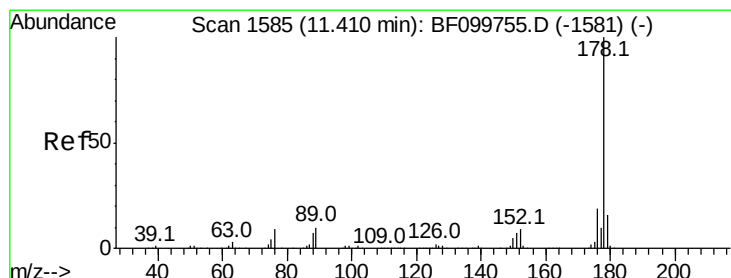
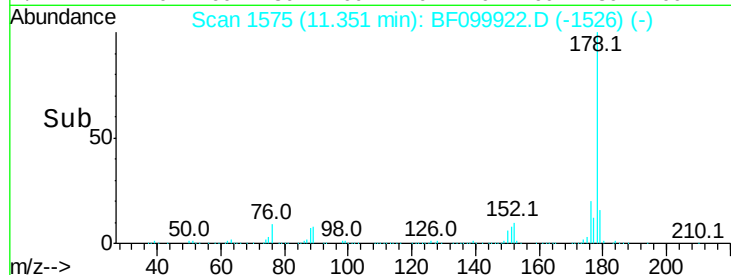
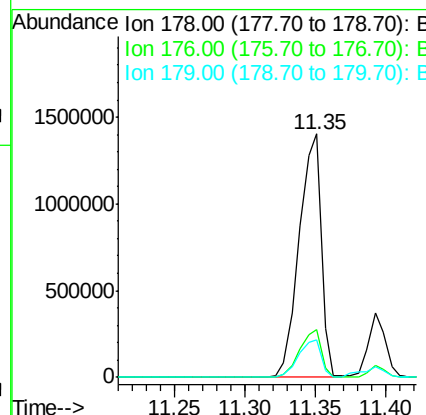
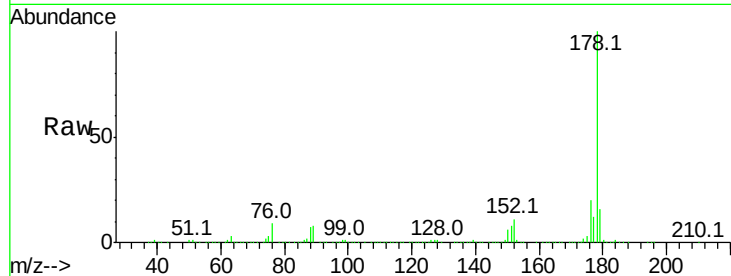
#70
Phenanthrene
Concen: 107.785 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF099922.D
Acq: 28 Oct 2017 17:31

Instrument :
BNA_F
ClientSampleId :
FILL-PILE-2-COMP-1

Tot Ion:178 Resp: 1527402
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 15.6 13.0 19.6

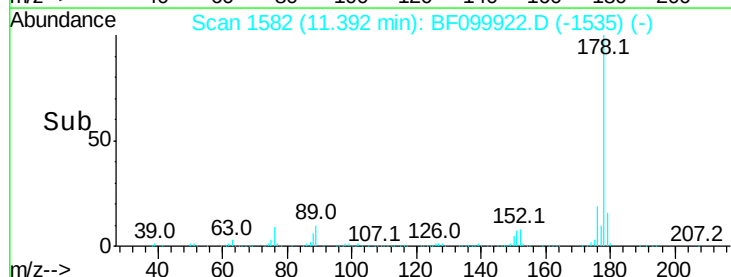
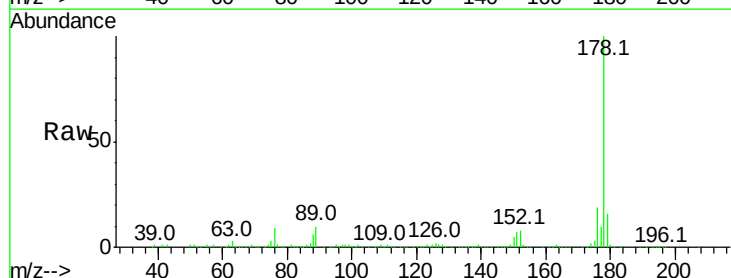
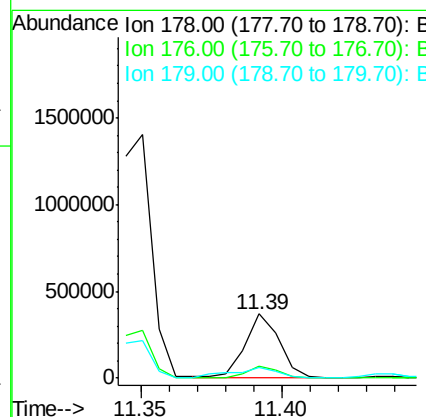
Manual Integrations
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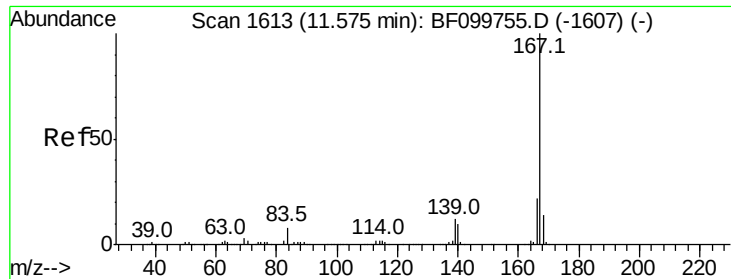
Sohil
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#71
Anthracene
Concen: 21.504 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.02 min
Lab File: BF099922.D
Acq: 28 Oct 2017 17:31

Tgt Ion:178 Resp: 309316
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 16.3 12.6 19.0





#72

Carbazole

Concen: 13.556 ng

RT: 11.55 min Scan# 1609

Delta R.T. -0.02 min

Lab File: BF099922.D

Acq: 28 Oct 2017 17:31

Instrument :

BNA_F

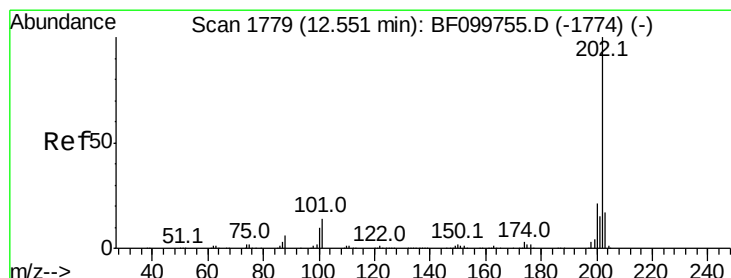
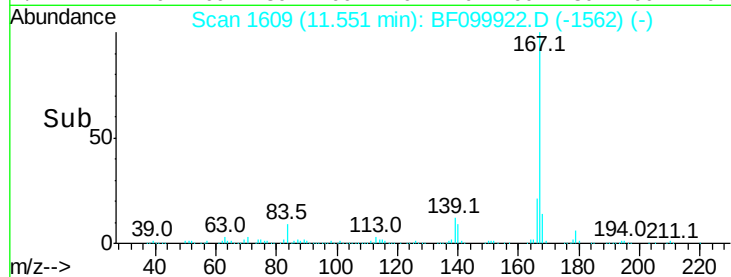
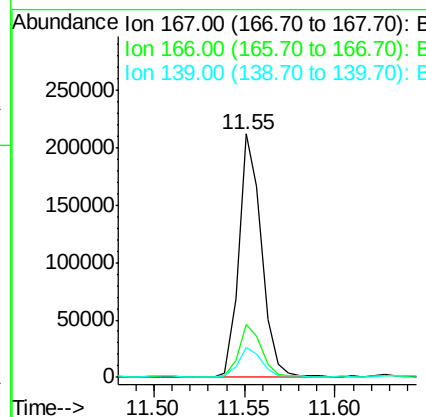
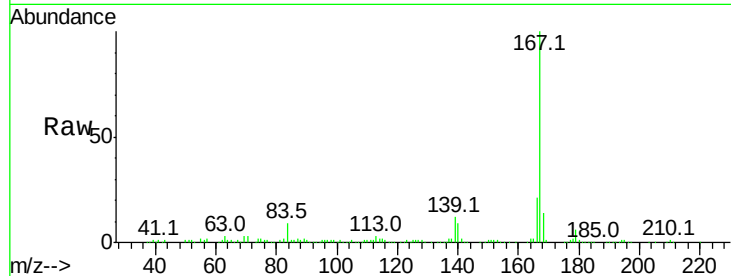
ClientSampleId :

FILL-PILE-2-COMP-1

Tot Ion:	167	Resp:	183368
Ion Ratio		Lower	Upper
167	100		
166	21.5	17.6	26.4
139	12.4	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 107.272 ng

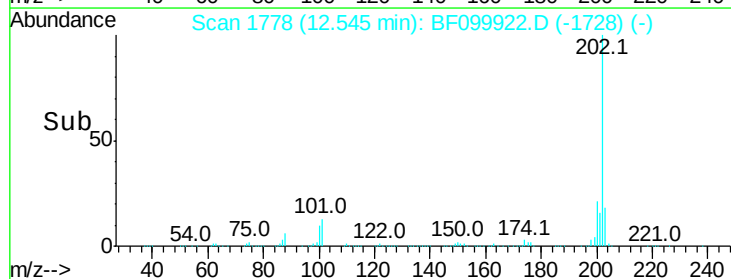
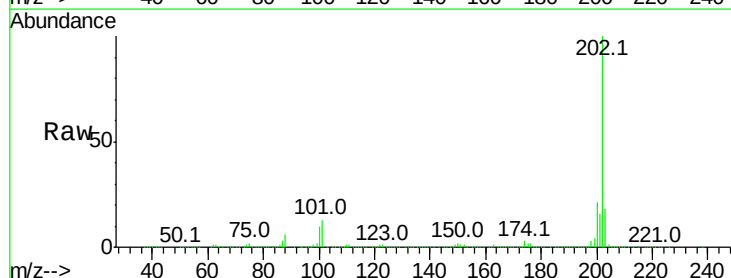
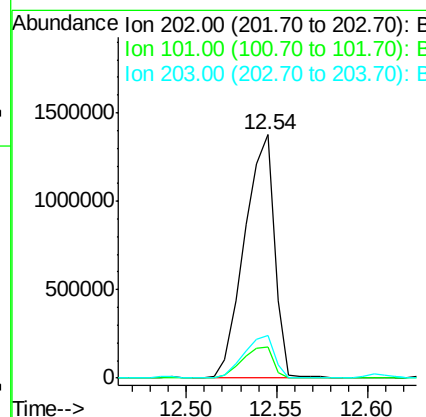
RT: 12.54 min Scan# 1778

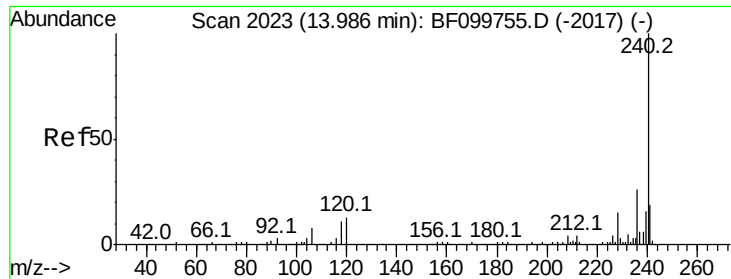
Delta R.T. -0.01 min

Lab File: BF099922.D

Acq: 28 Oct 2017 17:31

Tgt Ion:	202	Resp:	1579771
Ion Ratio		Lower	Upper
202	100		
101	12.9	0.0	34.1
203	17.7	0.0	38.1





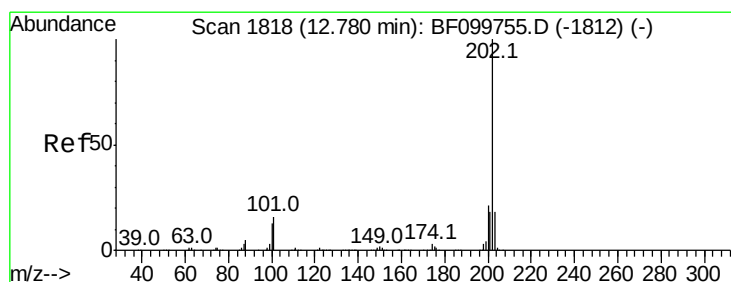
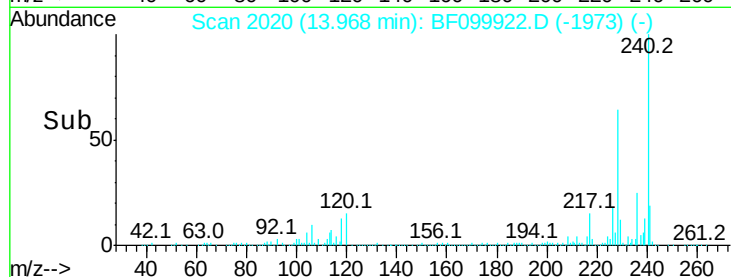
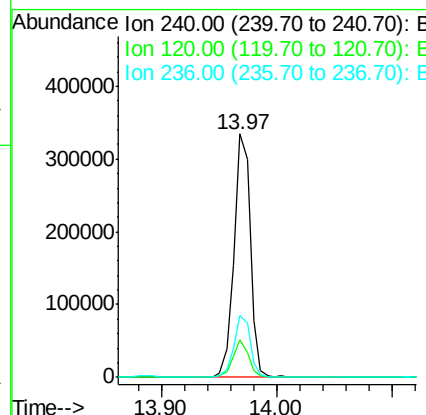
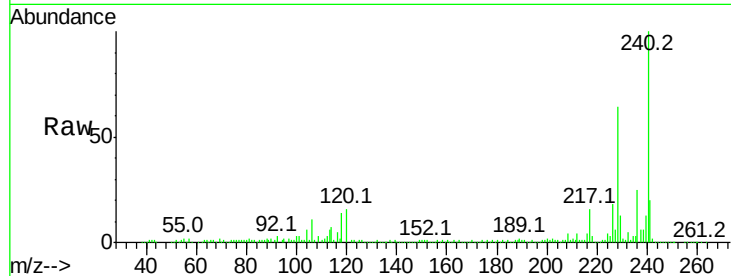
#75
Chrysene-d12
Concen: 40.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.02 min
Lab File: BF099922.D
Acq: 28 Oct 2017 17:31

Instrument :
BNA_F
ClientSampleId :
FILL-PILE-2-COMP-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.5	9.5	14.3
236	25.4	20.7	31.1

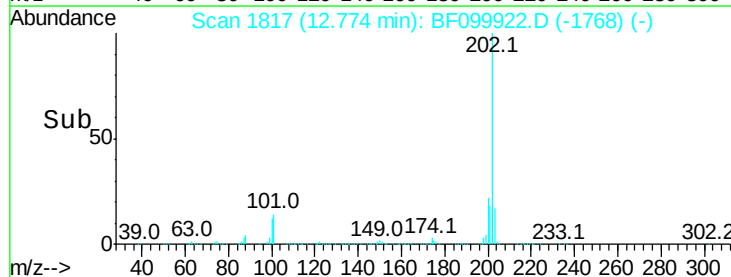
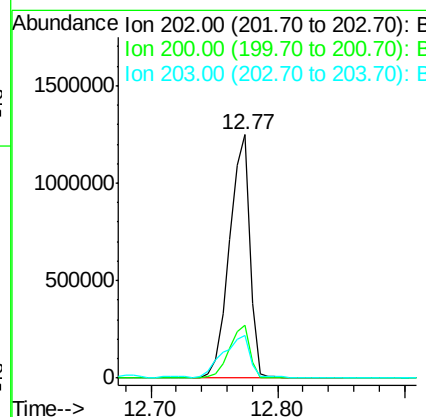
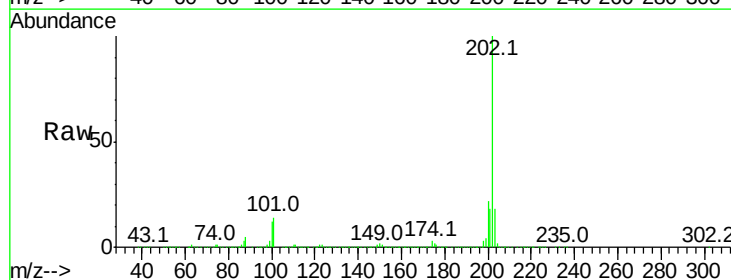
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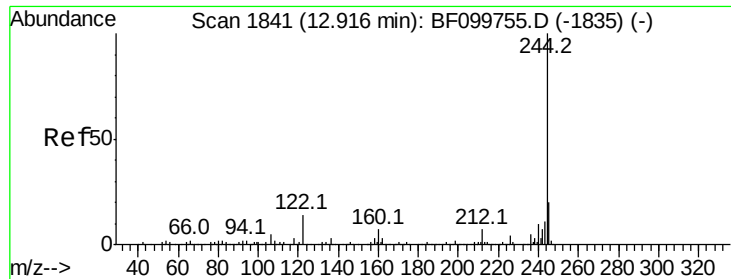
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#77
Pyrene
Concen: 111.045 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF099922.D
Acq: 28 Oct 2017 17:31

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.6	14.3	21.5





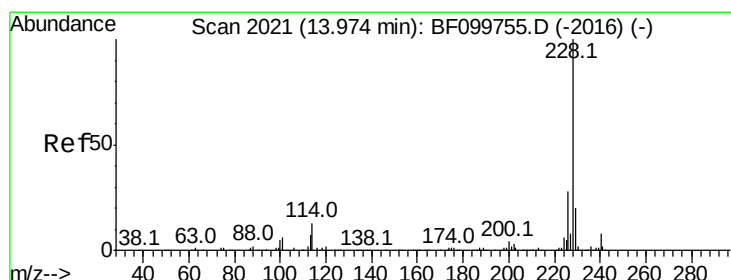
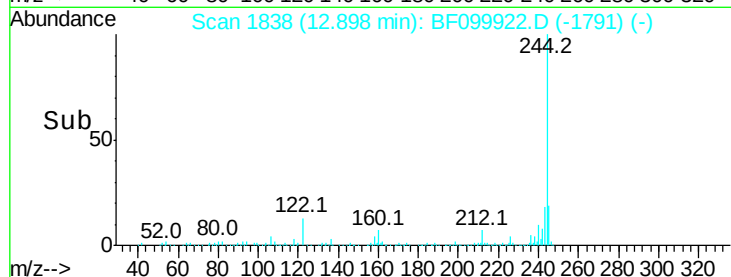
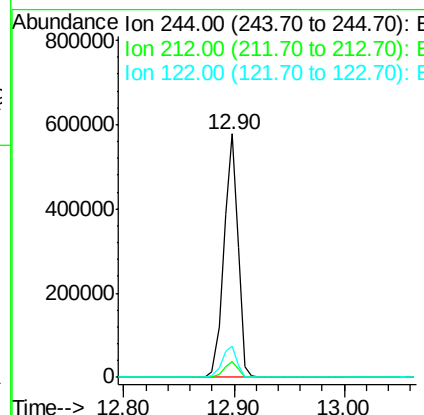
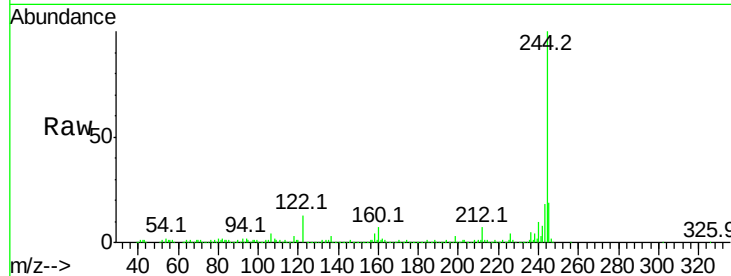
#78
 Terphenyl-d14
 Concen: 67.978 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.02 min
 Lab File: BF099922.D
 Acq: 28 Oct 2017 17:31

Instrument :
 BNA_F
 ClientSampleId :
 FILL-PILE-2-COMP-1

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.7	5.4	8.0	
122	12.9	11.0	16.4	

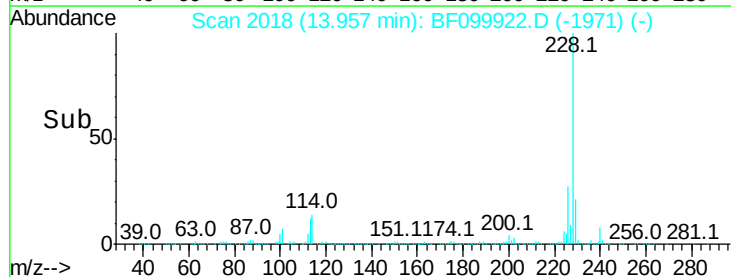
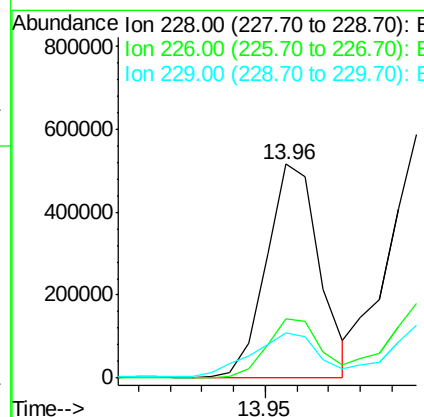
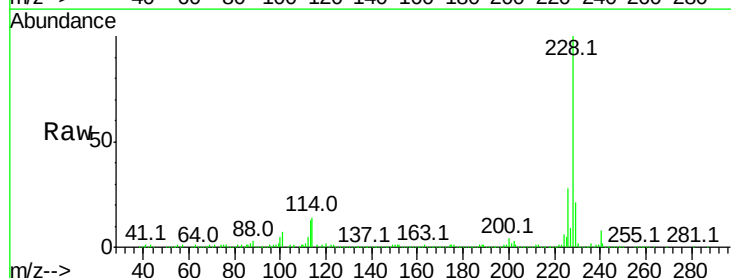
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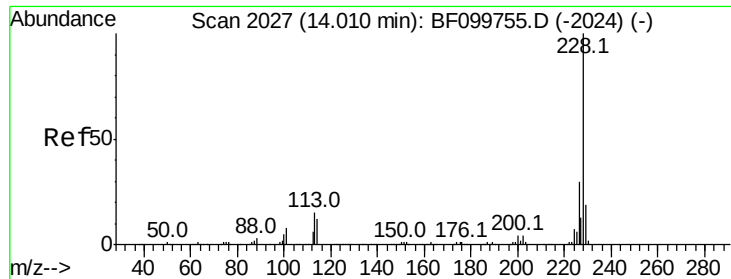
Sohil
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#80
 Benzo(a)anthracene
 Concen: 57.645 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.02 min
 Lab File: BF099922.D
 Acq: 28 Oct 2017 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	27.5	22.6	33.8	
229	21.3	15.8	23.6	





#82

Chrysene

Concen: 59.748 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF099922.D

Acq: 28 Oct 2017 17:31

Instrument :

BNA_F

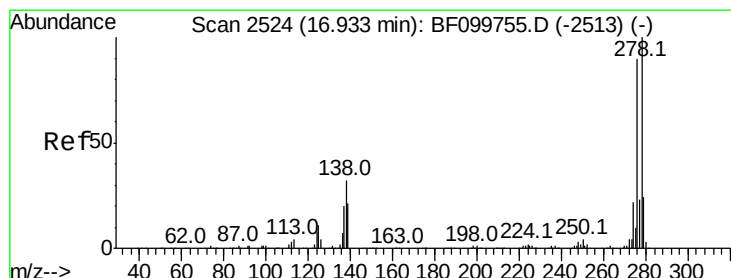
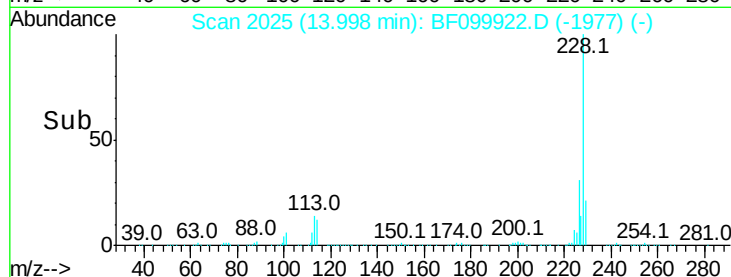
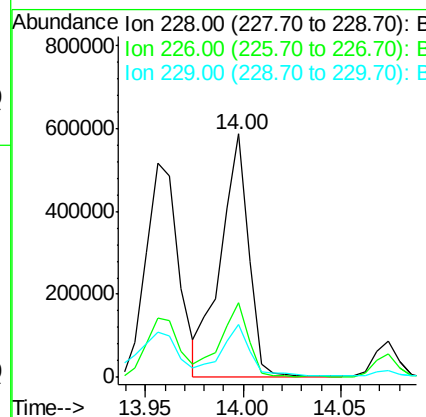
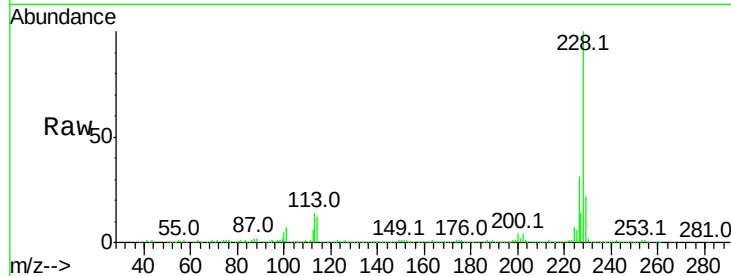
ClientSampleId :

FILL-PILE-2-COMP-1

Tot Ion:	228	Resp:	582264
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.6
229	21.7	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 41.444 ng

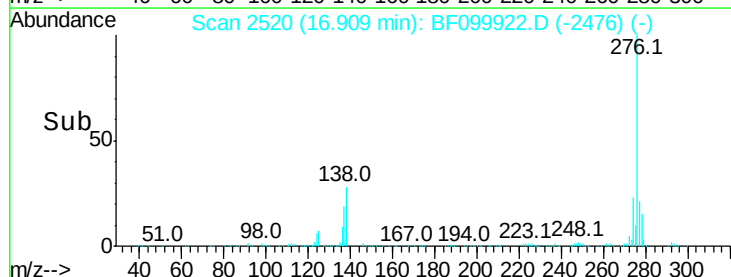
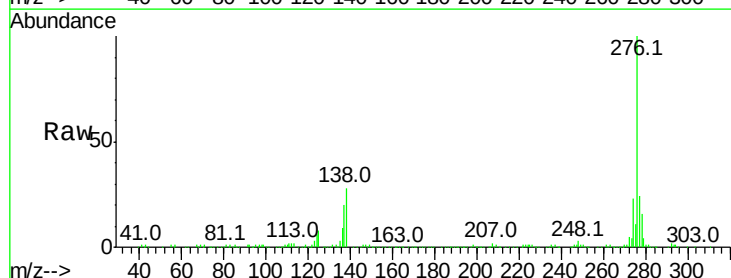
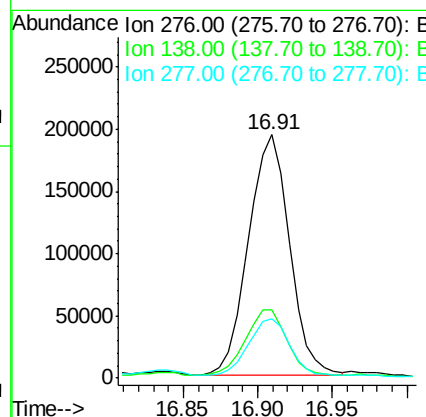
RT: 16.91 min Scan# 2520

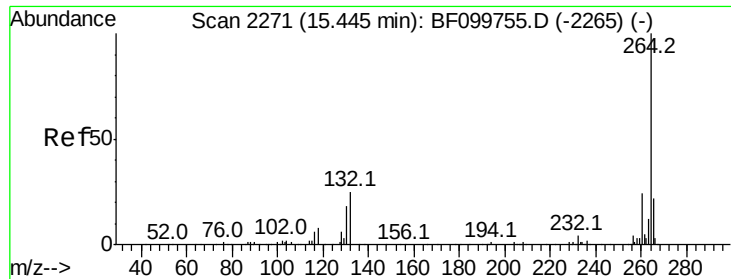
Delta R.T. -0.04 min

Lab File: BF099922.D

Acq: 28 Oct 2017 17:31

Tgt Ion:	276	Resp:	370775
Ion Ratio	Lower	Upper	
276	100		
138	29.2	25.0	37.6
277	25.6	20.1	30.1





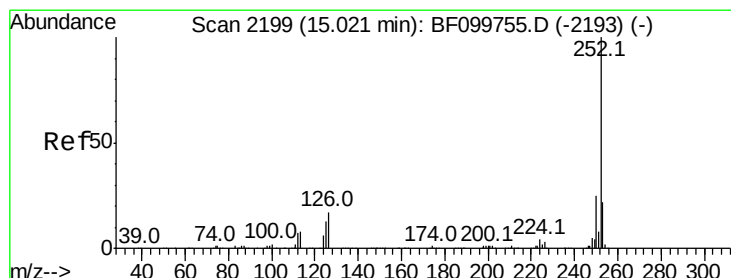
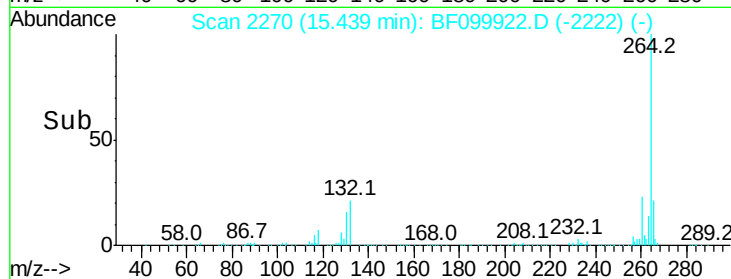
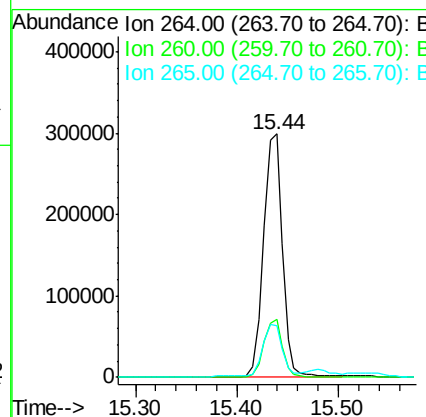
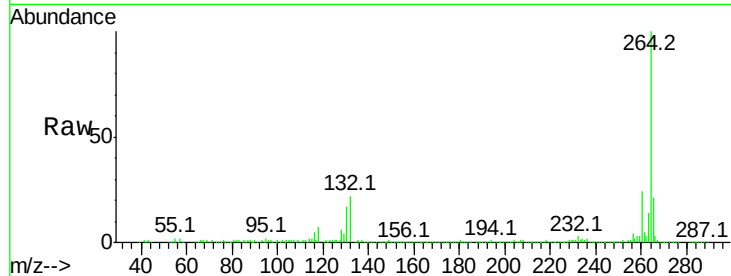
#86
Pervlene-d12
Concen: 40.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF099922.D
Acq: 28 Oct 2017 17:31

Instrument :
BNA_F
ClientSampleId :
FILL-PILE-2-COMP-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.2	17.5	26.3

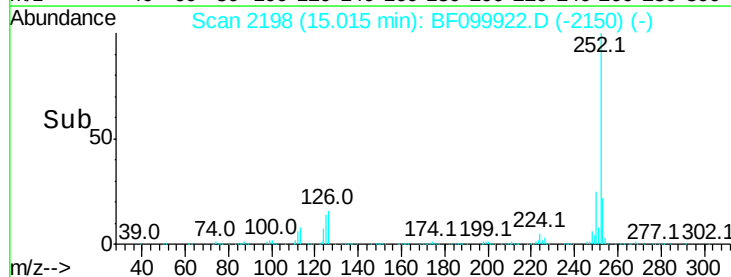
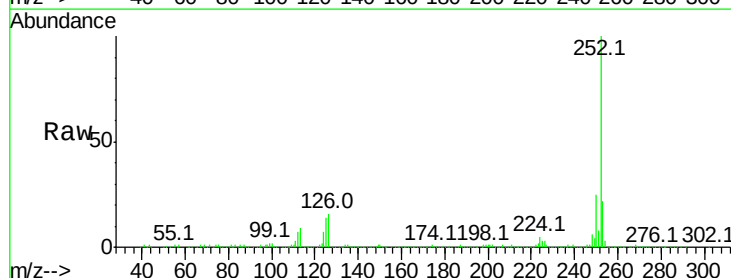
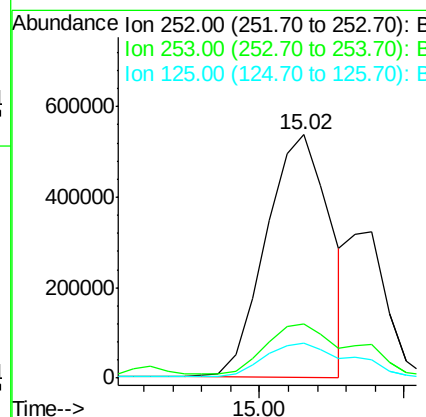
Manual Integrations
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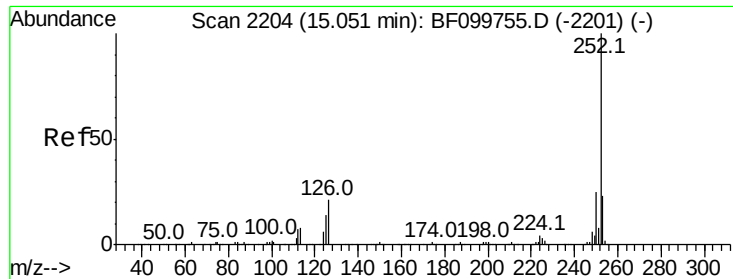
Sohil
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#87
Benzo(b)fluoranthene
Concen: 66.135 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF099922.D
Acq: 28 Oct 2017 17:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	14.4	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 24.943 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.02 min

Lab File: BF099922.D

Acq: 28 Oct 2017 17:31

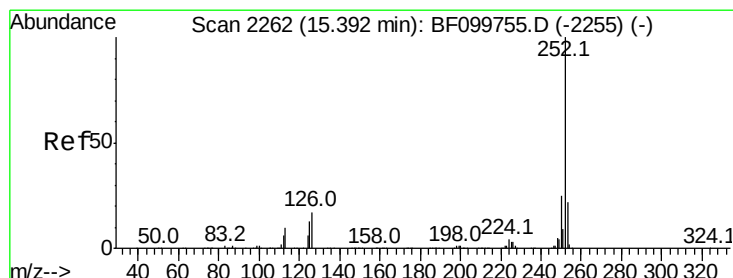
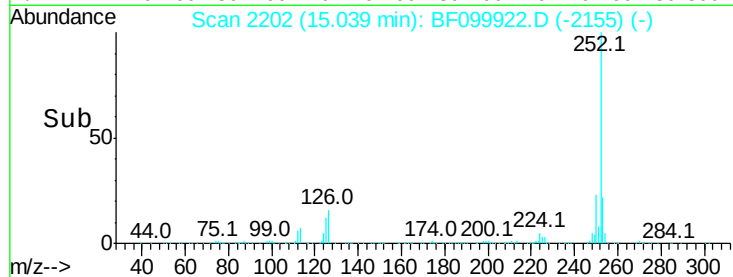
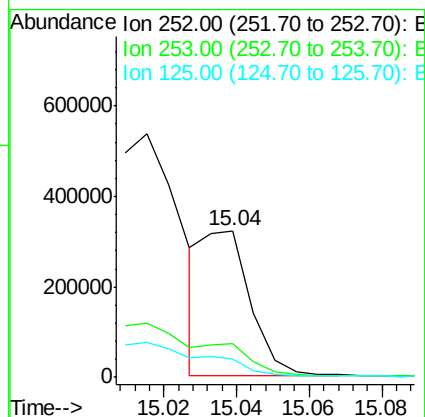
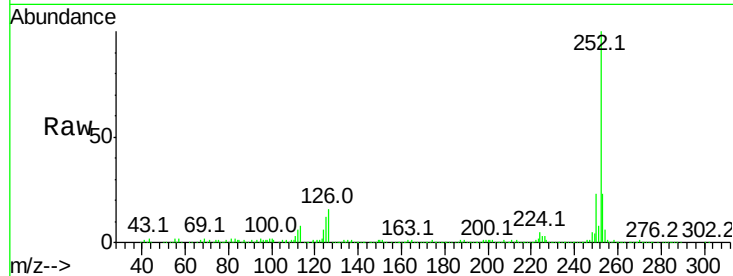
Instrument :
BNA_F

ClientSampleId :
FILL-PILE-2-COMP-1

Tot Ion:	252	Resp:	291224
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.9	26.9
125	12.2	10.2	15.2

Manual Integrations
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Sohil
10/30/2017 6:20:27 PM



#89

Benzo(a)pyrene

Concen: 47.964 ng

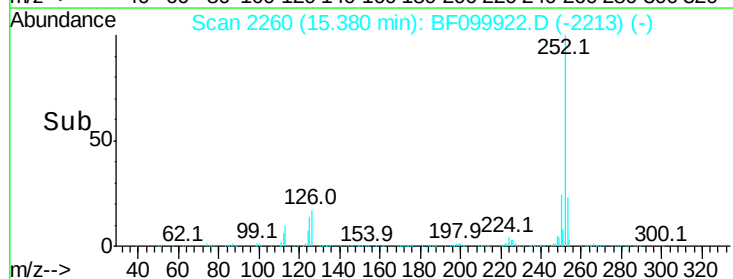
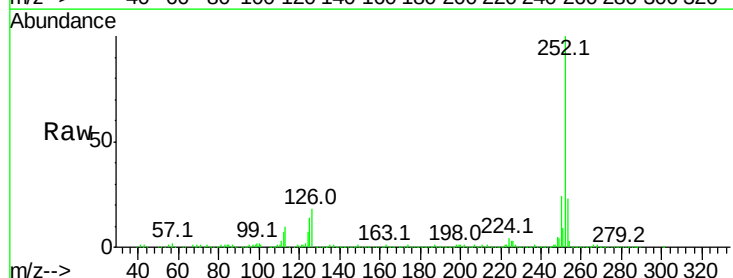
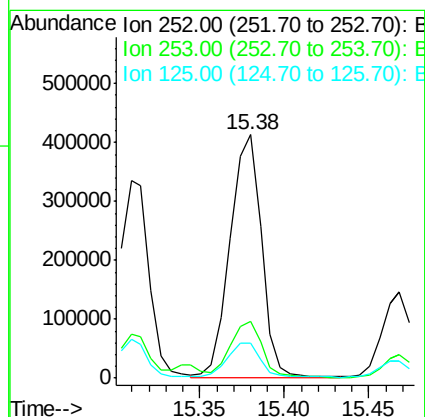
RT: 15.38 min Scan# 2260

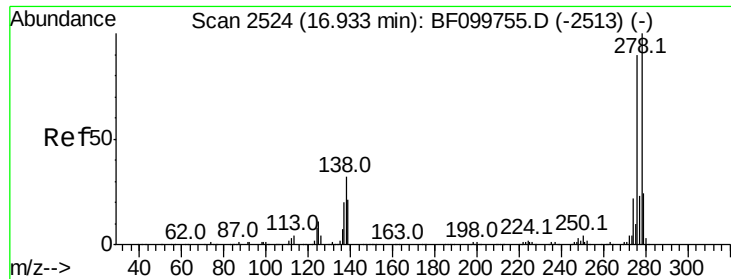
Delta R.T. -0.02 min

Lab File: BF099922.D

Acq: 28 Oct 2017 17:31

Tgt Ion:	252	Resp:	533459
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.1	25.7
125	14.4	9.8	14.6





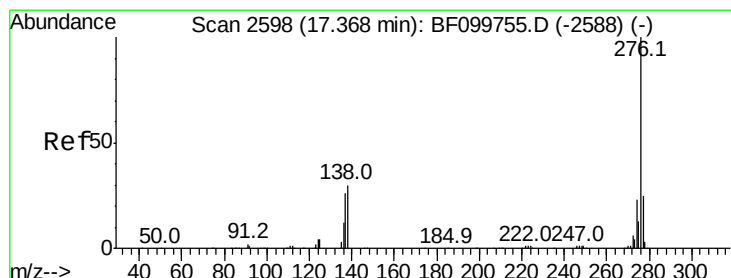
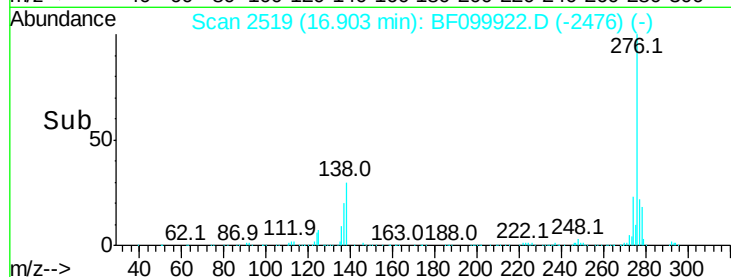
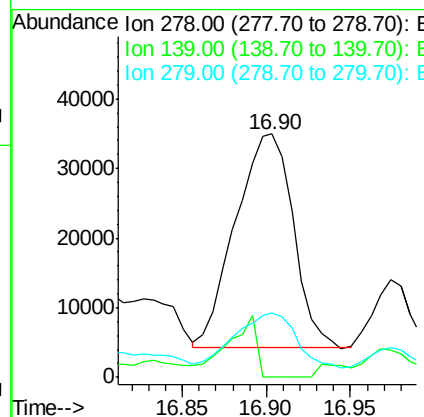
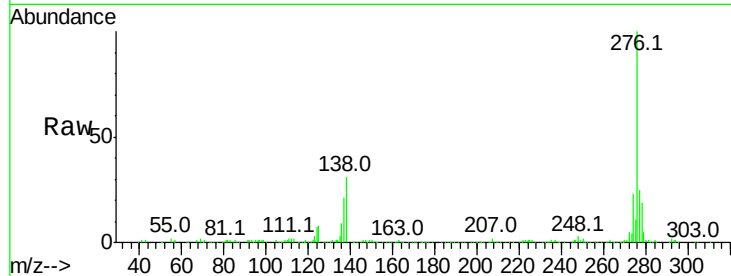
#90
Dibenzo(a,h)anthracene
Concen: 7.429 ng m
RT: 16.90 min Scan# 2519
Delta R.T. -0.05 min
Lab File: BF099922.D
Acq: 28 Oct 2017 17:31

Instrument :
BNA_F
ClientSampleId :
FILL-PILE-2-COMP-1

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	26.4	19.0	28.4

Manual Integrations
APPROVED

Sohil
10/30/2017 6:20:27 PM



#91
Benzo(g,h,i)perylene
Concen: 37.106 ng
RT: 17.36 min Scan# 2596
Delta R.T. -0.04 min
Lab File: BF099922.D
Acq: 28 Oct 2017 17:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	17.9	26.9
138	30.5	21.8	32.8

